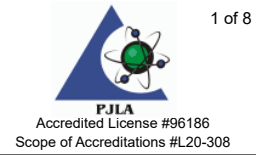




# Certificate of Analysis

AZDHS Certification # 05LCMI00301434



Nature's Medicines Amado  
 2439 W Mcdowell Rd  
 Phoenix, AZ 85009  
 none  
 Lic#: 00000088DCXB00897085

Sample: S203098-03  
 CC ID#: 2203C4L0099.1585  
 Lot#: V550131221089PrincessPeanutButter  
 Batch#: V550131221089  
 Batch Size: N/A

FINAL

Sample Name: Princess Peanut Butter Crumble  
 Strain Name: Princess Peanut Butter  
 Matrix: Concentrates Extracts

Sample Received: 03/22/2022  
 Report Created: 03/29/2022



## Potency Results

<b>79.6%</b>	<b>&lt;LOQ%</b>	<b>RATIO</b>	
<b>Total THC</b>	<b>Total CBD</b>	<b>1</b>	<b>: 0</b>
		<b>THC</b>	<b>CBD</b>

Total THC= THCa \* 0.877 + d9-THC  
 Total CBD= CBDa \* 0.877 + CBD

## SAFETY

<b>Microbials</b>	<b>Residual Solvents</b>	<b>Mycotoxins</b>	<b>Pesticides</b>	<b>Metals</b>
<b>PASS</b>	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>



### C4 LABORATORIES

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 Scottsdale, AZ 85260  
 (480) 219-6460  
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 Lic.#00000005LCMI00301434

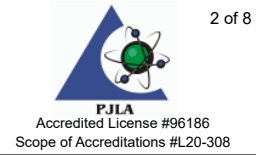
Dennis Wells  
 CSO/QAM

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# Certificate of Analysis

AZDHS Certification # 05LCMI00301434



**Nature's Medicines Amado**

2439 W Mcdowell Rd  
Phoenix, AZ 85009  
none  
Lic#: 00000088DCXB00897085

**Sample: S203098-03**

CC ID#: 2203C4L0099.1585  
Lot#: V550131221089PrincessPeanutButter  
Batch#: V550131221089  
Batch Size: N/A

**FINAL**

**Sample Name: Princess Peanut Butter Crumble**

Strain Name: Princess Peanut Butter

Matrix: Concentrates Extracts

Sample Received: 03/22/2022

Report Created: 03/29/2022

**Cannabinoids by HPLC - Medical**

Date Analyzed: 03/24/2022 Analyst Initials: KWT

Analyte	LOQ	Mass	Mass	Q
	%	%	mg/g	
THCA	1.47	81.0	810.00	
d9-THC	1.47	8.60	86.00	
d8-THC	1.47	<LOQ	<LOQ	
CBDA	1.47	<LOQ	<LOQ	
CBD	1.47	<LOQ	<LOQ	
CBG	1.47	<LOQ	<LOQ	
CBN	1.47	<LOQ	<LOQ	
CBC	1.47	<LOQ	<LOQ	
Total Cannabinoids	1.47	89.6	896.00	
Total THC	1.47	79.6	796.00	
Total CBD	1.47	<LOQ	<LOQ	

Total THC= THCa \* 0.877 + d9-THC. Total CBD= CBDA \* 0.877 + CBD.  
LOQ = Limit of Quantitation; NR = Not Reported; ND = Not Detected.  
Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.  
Cannabinoids method: HPLC-DAD.



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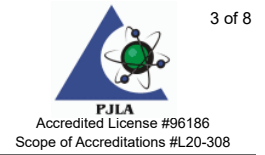
Dennis Wells  
CSO/QAM

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## Sample: S203098-03

CC ID#: 2203C4L0099.1585  
Lot#: V550131221089PrincessPeanutButter  
Batch#: V550131221089  
Batch Size: N/A

FINAL

## Sample Name: Princess Peanut Butter Crumble

Strain Name: Princess Peanut Butter

Matrix: Concentrates Extracts

Sample Received: 03/22/2022

Report Created: 03/29/2022

### Pesticides by LCMSMS - Medical

Pass

Date Analyzed: 03/29/2022 Analyst Initials: JCB

Analyte	LOQ	Limit	Units	Q	Status	Analyte	LOQ	Limit	Units	Q	Status
	ppm	ppm	ppm				ppm	ppm	ppm		
Abamectin	0.091	0.5	<LOQ	M2	Pass	Hexythiazox	0.254	1.0	<LOQ	M2	Pass
Acephate	0.102	0.4	<LOQ		Pass	Imazalil	0.102	0.2	<LOQ		Pass
Acequinocyl	0.508	2.0	<LOQ	M2	Pass	Imidacloprid	0.102	0.4	<LOQ		Pass
Acetamiprid	0.051	0.2	<LOQ		Pass	Kresoxim-methyl	0.102	0.4	<LOQ		Pass
Aldicarb	0.102	0.4	<LOQ		Pass	Malathion	0.051	0.2	<LOQ		Pass
Azoxystrobin	0.051	0.2	<LOQ		Pass	Metalaxyl	0.102	0.2	<LOQ		Pass
Bifenazate	0.051	0.2	<LOQ		Pass	Methiocarb	0.051	0.2	<LOQ		Pass
Bifenthrin	0.051	0.2	<LOQ	M2	Pass	Methomyl	0.102	0.4	<LOQ		Pass
Boscalid	0.102	0.4	<LOQ	M2	Pass	Myclobutanil	0.051	0.2	<LOQ	M2	Pass
Carbaryl	0.051	0.2	<LOQ		Pass	Naled	0.127	0.5	<LOQ		Pass
Carbofuran	0.051	0.2	<LOQ		Pass	Oxamyl	0.254	1.0	<LOQ		Pass
Chlorantraniliprole	0.051	0.2	<LOQ		Pass	Paclobutrazol	0.102	0.4	<LOQ	M2	Pass
Chlorfenapyr	0.508	1.0	<LOQ	M2	Pass	Permethrins	0.051	0.2	<LOQ		Pass
Chlorpyrifos	0.051	0.2	<LOQ	M2	Pass	Phosmet	0.051	0.2	<LOQ		Pass
Clofentezine	0.051	0.2	<LOQ	M2	Pass	Piperonyl butoxide	0.508	2.0	<LOQ	M2	Pass
Cyfluthrin	0.508	1.0	<LOQ	L1, M2, V1	Pass	Prallethrin	0.102	0.2	<LOQ		Pass
Cypermethrin	0.254	1.0	<LOQ	M2	Pass	Propiconazole	0.102	0.4	<LOQ	M2, V1	Pass
Daminozide	0.508	1.0	<LOQ		Pass	Propoxur	0.051	0.2	<LOQ		Pass
Diazinon	0.051	0.2	<LOQ	M2	Pass	Pyrethrins	0.327	1.0	<LOQ		Pass
Dichlorvos	0.051	0.1	<LOQ		Pass	Pyridaben	0.051	0.2	<LOQ		Pass
Dimethoate	0.051	0.2	<LOQ		Pass	Spinosad	0.051	0.2	<LOQ	M2	Pass
Ethoprophos	0.051	0.2	<LOQ		Pass	Spiromesifen	0.051	0.2	<LOQ		Pass
Etofenprox	0.102	0.4	<LOQ	M2	Pass	Spirotetramat	0.051	0.2	<LOQ	M1	Pass
Etoxazole	0.051	0.2	<LOQ		Pass	Spiroxamine	0.102	0.4	<LOQ		Pass
Fenoxycarb	0.051	0.2	<LOQ	M2	Pass	Tebuconazole	0.102	0.4	<LOQ	L1, M2, V1	Pass
Fenpyroximate	0.102	0.4	<LOQ	M2, V1	Pass	Thiacloprid	0.051	0.2	<LOQ		Pass
Fipronil	0.102	0.4	<LOQ	M1	Pass	Thiamethoxam	0.051	0.2	<LOQ		Pass
Flonicamid	0.254	1.0	<LOQ		Pass	Trifloxystrobin	0.051	0.2	<LOQ	M2	Pass
Fludioxonil	0.102	0.4	<LOQ	M2	Pass						

LOQ = Limit of Quantitation; NR = Not Reported; ND = Not Detected. Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Pesticides method: LC/MS/MS.



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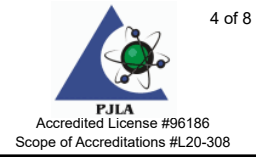
Dennis Wells  
CSO/QAM

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# Certificate of Analysis

AZDHS Certification # 05LCMI00301434



## Nature's Medicines Amado

2439 W Mcdowell Rd  
Phoenix, AZ 85009  
none  
Lic#: 00000088DCXB00897085

## Sample: S203098-03

CC ID#: 2203C4L0099.1585  
Lot#: V550131221089PrincessPeanutButter  
Batch#: V550131221089  
Batch Size: N/A

FINAL

Sample Name: Princess Peanut Butter Crumble

Strain Name: Princess Peanut Butter

Matrix: Concentrates Extracts

Sample Received: 03/22/2022

Report Created: 03/29/2022

### Metals by ICPMS - Medical

Pass

Date Analyzed: 03/23/2022 Analyst Initials: iam

Analyte	LOQ	Limit	Mass	Q	Status
	ppm	ppm	ppm		
Arsenic	0.100	0.405	<LOQ		Pass
Cadmium	0.100	0.405	<LOQ		Pass
Lead	0.399	1.05	<LOQ		Pass
Mercury	0.399	1.25	<LOQ		Pass

LOQ = Limit of Quantitation; ND = Not Detected. Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.

### Mycotoxins by ELISA- Medical

Pass

Date Analyzed: 03/24/2022 Analyst Initials: bab

Analyte	LOQ	Limit	Mass	Q	Status
	ppb	ppb	ppb		
Aflatoxins Total	2.00	20	<LOQ		Pass
Ochratoxin A	4.00	20	<LOQ		Pass

LOQ = Limit of Quantitation; NR = Not Reported; ND = Not Detected. Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Total Aflatoxins includes Aflatoxins B1, B2, G1, and G2.



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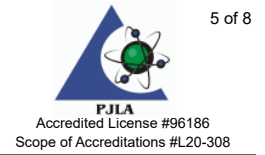
Dennis Wells  
CSO/QAM

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## Sample: S203098-03

CC ID#: 2203C4L0099.1585  
Lot#: V550131221089PrincessPeanutButter  
Batch#: V550131221089  
Batch Size: N/A

**FINAL**

## Sample Name: Princess Peanut Butter Crumble

Strain Name: Princess Peanut Butter

Matrix: Concentrates Extracts

Sample Received: 03/22/2022

Report Created: 03/29/2022

## Microbials

Pass

### E. coli by 3M Petrifilm- Medical

#### Plate

Date Analyzed: 03/25/2022 Analyst Initials: KAM

Analyte	LOQ	Limit	Mass	Q	Status
	cfu/g	cfu/g	cfu/g		
E. coli	1.0	100	<LOQ		Pass

Notes: Aerobic plate counts and yeast and mold are provided for informational purposes only.  
LOQ = Limit of Quantitation; TNTC = Too Numerous to Count; NR = Not Reported; NT = Not Tested;  
ND = Not Detected; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Aspergillus includes species flavus, fumigatus, niger, and terreus.  
E. coli by Petrifilm, Salmonella and Aspergillus by Medicinal Genomics.

### Aspergillus and Salmonella by qPCR - Medical

#### qPCR

Date Analyzed: 03/25/2022 Analyst Initials: KAM

Analyte	LOQ	Limit	Mass	Q	Status
	cfu/g	cfu/g	cfu/g		
Salmonella spp.	1	1	<LOQ		Pass
Aspergillus	1	1	<LOQ		Pass

Notes: Aerobic plate counts and yeast and mold are provided for informational purposes only.  
LOQ = Limit of Quantitation; TNTC = Too Numerous to Count; NR = Not Reported; NT = Not Tested;  
ND = Not Detected; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Aspergillus includes species flavus, fumigatus, niger, and terreus.  
E. coli by Petrifilm, Salmonella and Aspergillus by Medicinal Genomics.



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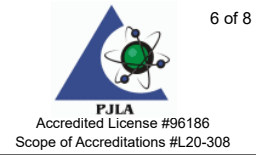
Dennis Wells  
CSO/QAM

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## Nature's Medicines Amado

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none  
Lic#: 00000088DCXB00897085

## Sample: S203098-03

CC ID#: 2203C4L0099.1585  
Lot#: V550131221089PrincessPeanutButter  
Batch#: V550131221089  
Batch Size: N/A

FINAL

## Sample Name: Princess Peanut Butter Crumble

Strain Name: Princess Peanut Butter

Matrix: Concentrates Extracts

Sample Received: 03/22/2022

Report Created: 03/29/2022

### Residual Solvents by Headspace GCMS - Medical

Pass

Date Analyzed: 03/23/2022 Analyst Initials: SML

Analyte	LOQ	Limit	Units	Q	Status	Analyte	LOQ	Limit	Units	Q	Status
	ppm	ppm	ppm				ppm	ppm	ppm		
Acetone	115	1000	<LOQ		Pass	2,3-Dimethylbutane	36.7		<LOQ		
Acetonitrile	45.9	410	<LOQ		Pass	2-Propanol (IPA)	573	5000	<LOQ		Pass
Benzene	0.6	2	<LOQ		Pass	Isopropyl acetate	573	5000	<LOQ		Pass
Butanes	573	5000	<LOQ		Pass	Methanol	344	3000	<LOQ		Pass
n-Butane	573		<LOQ	M2		Pentanes	573	5000	<LOQ		Pass
iso-Butane	573		<LOQ	M2		n-Pentane	573		<LOQ		
Chloroform	13.8	60	<LOQ		Pass	iso-pentane	573		<LOQ		
Dichloromethane	68.8	600	<LOQ		Pass	neo-Pentane	573		<LOQ	M2	
Ethanol	573	5000	<LOQ		Pass	Propane	573	5000	<LOQ	M2	Pass
Ethyl acetate	573	5000	<LOQ		Pass	Toluene	106	890	<LOQ		Pass
Diethyl Ether	573	5000	<LOQ		Pass	Xylenes	252	2170	<LOQ		Pass
n-Heptane	573	5000	<LOQ		Pass	m/p-Xylene	505		<LOQ		
Hexanes	36.7	290	<LOQ		Pass	o-Xylene	252		<LOQ		
n-Hexane	36.7		<LOQ			Ethyl benzene	252		<LOQ		
2-Methylpentane	36.7		<LOQ								
3-Methylpentane	36.7		<LOQ								
2,2-Dimethylbutane	36.7		<LOQ								

LOQ = Limit of Quantitation; ND = Not Detected;  
Unless otherwise stated all quality control samples performed  
within specifications established by the Laboratory.  
Solvents method: GC/MS



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Dennis Wells  
CSO/QAM

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# Certificate of Analysis

AZDHS Certification # 05LCMI00301434



**PJLA**  
Accredited License #96186  
Scope of Accreditations #L20-308

**Nature's Medicines Amado**

2439 W McDowell Rd  
Phoenix, AZ 85009  
none

Lic#: 00000088DCXB00897085

**Sample: S203098-03**

CC ID#: 2203C4L0099.1585  
Lot#: V550131221089PrincessPeanutButter  
Batch#: V550131221089  
Batch Size: N/A

**FINAL****Sample Name: Princess Peanut Butter Crumble**

Strain Name: Princess Peanut Butter

Matrix: Concentrates Extracts

Sample Received: 03/22/2022

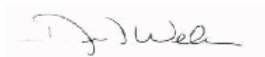
Report Created: 03/29/2022

**Notes and Definitions**

Item	Definition
L1	The percent recovery of the LCS was outside of control limits for the test but analyte was not detected above the Action Limit in Table 3.1.
M1	Matrix Spike recovery was higher than control limit but recovery of the LCS was within control limits.
M2	Matrix Spike recovery was lower than control limit but recovery of the LCS was within control limits.
V1	CCV recovery exceeded control limits but the sample analyte concentration was below maximum allowable concentrations in table 3.1
ND	Analyte NOT DETECTED at or above the reporting limit.
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated.

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Empty PDFFilePath marker encountered